

## QUESTIONS AND ANSWERS

### TABLE OF QUESTIONS

<b>I. FREQUENTLY ASKED QUESTIONS:</b> .....	<b>1</b>
Q1. IF I HAVE QUESTIONS ABOUT THIS FUNDING ANNOUNCEMENT, WHO DO I CONTACT? .....	1
Q2. HOW WILL I RECEIVE A RESPONSE TO QUESTIONS SUBMITTED TO ARPA-E-CO@HQ.DOE.GOV ABOUT THIS FOA? .....	1
Q3. WILL ARPA-E POST A RESPONSE TO EVERY QUESTION SUBMITTED TO ARPA-E-CO@HQ.DOE.GOV? .....	1
Q4. IF I HAVE QUESTIONS ABOUT ARPA-E EXCHANGE, WHO DO I CONTACT? .....	1
Q5. CAN I SPEAK OR MEET WITH THE ARPA-E PROGRAM DIRECTOR OR OTHER ARPA-E PERSONNEL ABOUT THIS FUNDING OPPORTUNITY ANNOUNCEMENT? .....	1
Q6. CAN A PERSON BE PI ON ONE PROPOSAL AND A CO-PI ON A SECOND SEPARATE PROPOSAL? .....	2
Q7. MAY APPLICANTS SUBMIT MORE THAN ONE CONCEPT PAPER TO THIS FUNDING OPPORTUNITY? .....	2
Q8. I HAVE DEVELOPED A TECHNOLOGY THAT MAY BE A GOOD FIT FOR THIS FUNDING OPPORTUNITY. WILL ARPA-E PLEASE REVIEW THE ATTACHED PROJECT INFORMATION AND LET ME KNOW IF I SHOULD MAKE A SUBMISSION TO THIS FUNDING OPPORTUNITY .....	2
<b>II. QUESTIONS FOR WEEK ENDING: MAY 9, 2014</b> .....	<b>2</b>
Q9. I AM PLANNING TO PROPOSE THE USE OF **** AND I WAS WONDERING IF **** CAN BE CONSIDERED ON-BODY WEARABLE DEVICES? .....	2
Q10. I'M NOT ABLE TO LOCATE THE BUSINESS ASSURANCES FORM REFERENCED ON PAGE 32 OF THE FOA. CAN SOMEONE PLEASE SEND ME A COPY? .....	2
Q11. IS THE COST TARGET FOR THE PRODUCT SUPPOSED TO REFLECT THE COST TO THE CUSTOMER OR THE COST TO MANUFACTURE THE PRODUCT? .....	2
<b>III. QUESTIONS FOR WEEK ENDING: JUNE 6, 2014</b> .....	<b>3</b>
Q12. I AM WITH A FOR-PROFIT AGENCY (APPLICANT/COMPANY) THAT DEVELOPS **** IS USED FOR COMMERCIAL BUILDINGS FOR THERMAL MANAGEMENT PURPOSES. I WAS WONDERING IF OUR AGENCY (COMPANY) WOULD BE ELIGIBLE TO APPLY TO ANY OF THE AFOREMENTIONED PROGRAMS OR IF THEY ARE BETTER SERVED BY AGENCIES OF A DIFFERENT NATURE? .....	3
Q13. IT IS NOTED THAT CHAIRS ARE OF INTEREST PER SECTION I.D, CATEGORY 2 OF THE FOA. WOULD A ROLLING OFFICE CHAIR SATISFY METRIC 2.3 OR MUST THE PROPOSED CONCEPT ALSO FUNCTION FOR A PERSON STANDING BESIDE OR BEHIND (I.E. NOT SEATED ON, BUT WITHIN 0.61M OF) THE ROLLING OFFICE CHAIR? .....	3
Q14.A I AM WITH THE ****. WE RESPONDED TO THE SUBJECT RFI AND TEAMING LIST. WE HAVE BEEN APPROACHED BY 4 ORGANIZATIONS TO SEE IF WE ARE INTERESTED IN PARTNERING WITH THEM ON THE FOA. **** IS INTERESTED IN COLLABORATING AS A TEAM MEMBER ONLY AND NOT AS THE PRIME OR LEAD PROPOSER TO THE FOA. CAN WE BE INCLUDED AS A TEAM MEMBER ON A PROPOSAL BY MORE THAN 1 ORGANIZATION? .....	3
Q14.B IF 2 ORGANIZATIONS WERE INTERESTED IN INCLUDING US IN THEIR PROPOSAL, IS THERE A CONFLICT OF INTEREST ISSUE? OBVIOUSLY WE WOULD NOT DIVULGE IDEAS OR CONCEPTS FROM ONE TEAM TO ANOTHER DURING DISCUSSIONS. ....	3

## QUESTIONS AND ANSWERS

### TABLE OF QUESTIONS

Q15. IN THE DELTA FOA, SECTION 1.F “APPLICATIONS SPECIFICALLY NOT OF INTEREST,” LISTS “TECHNOLOGIES THAT FOCUS ON ZONE CONTROL IMPROVEMENT BY USING BETTER INSULATION BETWEEN DIFFERENT ZONES (E.G., INDIVIDUAL CONTROL FOR EACH ROOM)” AS NOT OF INTEREST. IS OTHER ZONE CONTROL TECHNOLOGY (WHICH DOES NOT RELATE TO INSULATION) POTENTIALLY OF INTEREST? SPECIFICALLY, COULD A TEAM PROPOSE *****?.....	4
Q16. SHOULD THE DELTA CONCEPT PAPER HAVE A COVER PAGE? THE REQUIREMENTS DO NOT PROVIDE FOR ONE WITHIN THE PAGE LIMIT, BUT THE CONFIDENTIALITY STATEMENT, IF REQUIRED, IS SAID TO BE PUT ON THE COVER SHEET. ....	4
<b>IV. QUESTIONS FOR WEEK ENDING: AUGUST 8, 2014 .....</b>	<b>4</b>
Q17. WHAT PROJECT START DATE SHOULD I USE TO PREPARE A PROPOSED BUDGET? .....	4
Q18. SHOULD THE LAST ITEM UNDER “BUDGET SUMMARY” SECTION ON PAGE 47 OF THE FOA BE INCLUDED UNDER THE “TECHNOLOGY TO MARKET STRATEGY” SECTION OF THE TECHNICAL VOLUME INSTEAD? .....	4
<b>V. QUESTIONS FOR WEEK ENDING: AUGUST 15, 2014.....</b>	<b>5</b>
Q19.A CAN REFERENCES CITED IN THE TECHNICAL VOLUME BE INCLUDED AS FOOTNOTES? .....	5
Q19.B IS A REFERENCE LIST CONSIDERED PART OF THE TECHNICAL VOLUME’S PAGE COUNT? ..	5
Q20. CAN WE RECEIVE ADDITIONAL AND MORE DETAILED FEEDBACK ON OUR CONCEPT PAPER SUBMISSION?.....	5
<b>VI. QUESTIONS FOR WEEK ENDING: AUGUST 22, 2014 .....</b>	<b>5</b>
Q21. THE SOLICIATION FOR DE-FOA-0001127: DELIVERING EFFICIENT LOCAL THERMAL AMENITIES (DELTA) INDICATES A MANDATORY WEBINAR AFTER CONCEPT PAPERS HAVE BEEN EVALUATED. HAS THAT WEBINAR BEEN SCHEDULED OR HELD? I DO NOT SEE ANY NOTICE. ....	5
Q22. I AM WRITING YOU TO FIND OUT MORE INFORMATION ABOUT FUNDING OPPORTUNITY ANNOUNCEMENT DE-FOA-0001127 (DELTA). I HAVE BEEN CONTACT BY TWO SEPARATE UNIVERSITIES REGARDING THIS OPPORTUNITY TO BE AN INDUSTRY PARTNER. BOTH HAVE EXPLAINED THAT ARPA-E IS LOOKING FOR TECHNOLOGIES TO HELP EXPAND THE COMFORT RANGE OF CLOTHING SO AS TO REDUCE THE ENERGY USE WITHIN BUILDINGS DURING THE SUMMER AND WINTER MONTHS. I AM INTERESTED TO KNOW HOW ARPA-E PLANS TO IMPLEMENT A TECHNOLOGY SO THAT ALL OCCUPANTS OF A BUILDING ARE WEARING THIS TYPE OF CLOTHING?.....	6
<b>VII. QUESTIONS FOR WEEK ENDING: AUGUST 29, 2014 .....</b>	<b>6</b>
Q23. ONE OF OUR RESEARCHERS WILL BE CONTRIBUTING A PIECE OF TECHNOLOGY IN A PROPOSAL BEING SUBMITTED IN RESPONSE TO THE DELTA FOA. IS THERE A WAY TO PROTECT THIS BACKGROUND IP IN OUR PROPOSAL? .....	6
Q24. IS A CONSULTANT CONSIDERED A PROJECT TEAM MEMBER SUBJECT TO COST SHARE IF THE CONSULTANT IS ONLY WORKING 125 HOURS PER YEAR FOR 3 YEARS IN SUPPORT OF THE EFFORT?.....	6
Q25. OUR COMPANY HAS BEEN APPROACHED BY SEVERAL DIFFERENT GROUPS WHO ARE PROPOSING TO YOUR ARPA-E CALL. WE AREN'T PLANNING ON PARTNERING WITH ALL THE TEAMS, BUT IF WE WANTED TO ASSIST A FEW WITH THEIR CONCEPT, WOULD THAT DILUTE THEIR CHANCES OF SELECTION? I JUST WANT TO MAKE SURE THE SELECTION COMMITTEE	

## QUESTIONS AND ANSWERS

### TABLE OF QUESTIONS

WOULDN'T SEE ANY ISSUE OR COI WITH OUR NAME APPEARING ON MORE THAN ONE PROPOSAL. ....	7
Q26. THE R&D TASKS SECTION OF THE TECHNICAL VOLUME SUGGESTS ONLY LISTING THE TASKS FOR THE PROJECT. SHOULD WE INCLUDE A DESCRIPTION OF THE TASKS IN THIS SECTION, OR SHOULD IT MAINLY SERVE AS AN OVERVIEW FOR THE R&D STRATEGY GIVEN THAT THE TASKS AND SUB-TASKS WILL BE DESCRIBED IN THE TECHNICAL MILESTONES AND DELIVERABLES COMPONENT OF THE FULL APPLICATION? .....	7
<b>VIII. QUESTIONS FOR WEEK ENDING: SEPTEMBER 5, 2014</b> .....	<b>7</b>
Q27. OUR PROJECT TEAM CONSISTS OF FFRDCS AND EDUCATIONAL INSTITUTIONS. IF WE ADD A COMMERCIAL PARTNER TO THE PROJECT TEAM WHICH IS UNFUNDED AND WILL ONLY BE PROVIDING IN-KIND EFFORT, IS THE PROJECT TEAM STILL ELIGIBLE FOR THE 5% COST SHARE OPTION? .....	7
<b>I. QUESTIONS FOR WEEK ENDING: SEPTEMBER 11, 2014</b> .....	<b>8</b>
Q28. WE ARE IN THE PROCESS OF FILING SF 424 FORM AND DO NOT KNOW HOW TO ANSWER THE QUESTION #19 ON THE FORM. WE ARE A SMALL BUSINESS LOCATED IN MD. IS OUR APPLICATION SUBJECT TO REVIEW BY MD UNDER EXECUTIVE ORDER 12372? IN THE PAST WE WERE NEVER ASKED ABOUT THIS AND HAVE NOT CONTACTED THE OFFICE.....	8
Q29.A CAN CONCEPT PAPER HEADINGS BE IN A COLOR OTHER THAN BLACK OR WILL THAT BE NON-RESPONSIVE?.....	8
Q29.B IS THERE A PREFERRED METHOD OF HANDLING REFERENCES (SIMPLY FOOTNOTES AS IN THE FOA, OR FULL REFERENCES AT END?).....	8
Q30. QUESTION 3 OF THE BUSINESS ASSURANCES & DISCLOSURES FORM ASKS ABOUT CURRENT AND PENDING FUNDING IN THE "SAME TECHNOLOGY AREA" AS THE PROPOSED PROJECT OR "RELATED WORK". THE QUESTION SEEMS OPEN TO INTERPRETATION SINCE A PI MAY HAVE PREVIOUSLY WORKED WITH A CERTAIN TECHNOLOGY, BUT THE PROPOSED PROJECT IS A COMPLETELY DIFFERENT DIRECTION AND PURPOSE FOR THAT TECHNOLOGY AND IS IN AN AREA WHERE THE PI HAS NEVER WORKED BEFORE. IT WOULD HELP TO UNDERSTAND THE INTENT OF THE QUESTION. ....	8
Q31. WE ARE PROPOSED SUBRECIPIENTS ON TWO PROPOSALS WHICH WE HAVE ONLY RECENTLY LEARNED ARE WORKING WITH THE SAME CORE TECHNOLOGY. WE ARE WORRIED ABOUT THE Q&A 14.A AND B IN WHICH IT IS SAID THAT MULTIPLE PROPOSALS MUST BE SCIENTIFICALLY DISTINCT. IF WE BUILT ARTIFICIAL SCIENTIFIC DISTINCTIONS INTO THE PROPOSED SUBORDINATE TASKS THAT MIGHT UNFAIRLY TILT THE PROJECT IN WAYS THAT ARE NOT HELPFUL TO CREATING OR PICKING THE BEST PROJECT. AT THIS POINT IT WOULD BE DISRUPTIVE TO PULL OUT OF EITHER TEAM. PLEASE ELABORATE ABOUT THE NEED FOR DISTINCTIVENES IN SUBRECIPIENTS' TASKS. ....	9

I. FREQUENTLY ASKED QUESTIONS:

**Q1. IF I HAVE QUESTIONS ABOUT THIS FUNDING ANNOUNCEMENT, WHO DO I CONTACT?**

**ANSWER:** Please see the FOA guidance on submitting FOA content questions and response publication. Applicants may submit questions regarding this ARPA-E's Funding Opportunity Announcement (FOA) to [ARPA-E-CO@hq.doe.gov](mailto:ARPA-E-CO@hq.doe.gov). All emails must include the FOA name and number in the subject line. The cover page and Executive Summary of the Funding Opportunity Announcement state the deadlines for submitting questions to [ARPA-E-CO@hq.doe.gov](mailto:ARPA-E-CO@hq.doe.gov).

**Q2. HOW WILL I RECEIVE A RESPONSE TO QUESTIONS SUBMITTED TO [ARPA-E-CO@HQ.DOE.GOV](mailto:ARPA-E-CO@HQ.DOE.GOV) ABOUT THIS FOA?**

**ANSWER:** Responses are posted in the "Frequently Asked Questions" section of ARPA-E's website. There are general FAQs and a FAQ page for each FOA.

ARPA-E will post responses on a weekly basis to any questions that are received.

ARPA-E will cease to accept questions approximately 5 business days in advance of each submission deadline. Responses to questions received before the cutoff will be posted approximately one business day in advance of the submission deadline. ARPA-E may re-phrase questions or consolidate similar questions for administrative purposes.

**Q3. WILL ARPA-E POST A RESPONSE TO EVERY QUESTION SUBMITTED TO [ARPA-E-CO@HQ.DOE.GOV](mailto:ARPA-E-CO@HQ.DOE.GOV)?**

**ANSWER:** No. ARPA-E will only post responses to questions that have not already been addressed by a published FAQ. Also, ARPA-E may consolidate similar questions for administrative purposes.

**Q4. IF I HAVE QUESTIONS ABOUT ARPA-E EXCHANGE, WHO DO I CONTACT?**

**ANSWER:** Applicants may submit questions regarding ARPA-E's online application portal, ARPA-E eXCHANGE, to [ExchangeHelp@hq.doe.gov](mailto:ExchangeHelp@hq.doe.gov). All emails must include the name and number of the Funding Opportunity Announcement in the subject line.

**Q5. CAN I SPEAK OR MEET WITH THE ARPA-E PROGRAM DIRECTOR OR OTHER ARPA-E PERSONNEL ABOUT THIS FUNDING OPPORTUNITY ANNOUNCEMENT?**

**ANSWER:** No. Upon the issuance of this Funding Opportunity Announcement (FOA), ARPA-E Programs and other ARPA-E personnel are prohibited from communicating (in writing or otherwise) with Applicants, or potential Applicants, regarding the FOA. This "quiet period" remains in effect until ARPA-E's public announcement of its project selections. During the "quiet period," Applicants may submit questions regarding the FOA to [ARPA-E-CO@hq.doe.gov](mailto:ARPA-E-CO@hq.doe.gov) with the FOA name and number in the subject line. Applicants may also submit questions regarding ARPA-E's online application portal, ARPA-E eXCHANGE, to [ExchangeHelp@hq.doe.gov](mailto:ExchangeHelp@hq.doe.gov) with the FOA name and number in the subject line. ARPA-E will not accept or respond to communications received by other means (e.g., fax, telephone, mail, hand delivery). Emails sent to other email addresses will be disregarded.

**Q6. CAN A PERSON BE PI ON ONE PROPOSAL AND A CO-PI ON A SECOND SEPARATE PROPOSAL?**

**ANSWER:** Yes, but the applications must be scientifically distinct from one another.

**Q7. MAY APPLICANTS SUBMIT MORE THAN ONE CONCEPT PAPER TO THIS FUNDING OPPORTUNITY?**

**ANSWER:** Yes, but each Concept Paper submission must be scientifically distinct.

**Q8. I HAVE DEVELOPED A TECHNOLOGY THAT MAY BE A GOOD FIT FOR THIS FUNDING OPPORTUNITY. WILL ARPA-E PLEASE REVIEW THE ATTACHED PROJECT INFORMATION AND LET ME KNOW IF I SHOULD MAKE A SUBMISSION TO THIS FUNDING OPPORTUNITY.**

**ANSWER:** No. Applicants must review the Technical Requirements of this funding opportunity announcement to determine if their technology warrants a submission to ARPA-E. See e.g. Section I.D (“Technical Categories of Interest”) and Section I.F (Applications Specifically Not of Interest) of the FOA.

**II. Questions for week ending: MAY 9, 2014**

**Q9. I AM PLANNING TO PROPOSE THE USE OF \*\*\*\* AND I WAS WONDERING IF \*\*\*\* CAN BE CONSIDERED ON-BODY WEARABLE DEVICES?**

**ANSWER:** ARPA-E will not provide a pre-submission assessment of an Applicant’s technology or proposed concept. Applicants must review the examples of on-body wearable devices provided in Section I.D (Technical Categories of Interest – Category 3) of the FOA and independently determine whether their proposed concept qualifies as an on-body wearable device for the purposes of the DELTA FOA.

**Q10. I’M NOT ABLE TO LOCATE THE BUSINESS ASSURANCES FORM REFERENCED ON PAGE 32 OF THE FOA. CAN SOMEONE PLEASE SEND ME A COPY?**

**ANSWER:** The Business Assurances Form for the DELTA FOA has not been uploaded to ARPA-E eXCHANGE (<https://arpa-e-foa.energy.gov/>). ARPA-E will upload the Business Assurances Form and other required forms for Full Applications once the DELTA FOA has been updated with instructions for the Full Application phase in ARPA-E eXCHANGE. For reference, however, you may review an example Business Assurances Form uploaded into ARPA-E eXCHANGE for another recent FOA at the following URL: <https://arpa-e-foa.energy.gov/FileContent.aspx?FileID=1d66bfac-223c-4a82-87e0-fc6490d0602e>.

**Q11. IS THE COST TARGET FOR THE PRODUCT SUPPOSED TO REFLECT THE COST TO THE CUSTOMER OR THE COST TO MANUFACTURE THE PRODUCT?**

**ANSWER:** The cost target reflects cost to the customer.

**III. Questions for week ending: JUNE 6, 2014**

**Q12. I AM WITH A FOR-PROFIT AGENCY (APPLICANT/COMPANY) THAT DEVELOPS \*\*\*\* IS USED FOR COMMERCIAL BUILDINGS FOR THERMAL MANAGEMENT PURPOSES. I WAS WONDERING IF OUR AGENCY (COMPANY) WOULD BE ELIGIBLE TO APPLY TO ANY OF THE AFOREMENTIONED PROGRAMS OR IF THEY ARE BETTER SERVED BY AGENCIES OF A DIFFERENT NATURE?**

**ANSWER:** ARPA-E will not provide a pre-submission assessment of an Applicant's technology, proposed concept, or an Applicant's eligibility to apply to a FOA. Applicants must review the technical categories of interest of this funding opportunity to determine whether their technology warrants a submission to ARPA-E and review the eligibility information provided in the FOA and independently determine whether they are eligible to apply for funding. Please see Section I.D (Technical Categories of Interest) and Section III.A (Eligible Applicants) of the FOA.

**Q13. IT IS NOTED THAT CHAIRS ARE OF INTEREST PER SECTION I.D, CATEGORY 2 OF THE FOA. WOULD A ROLLING OFFICE CHAIR SATISFY METRIC 2.3 OR MUST THE PROPOSED CONCEPT ALSO FUNCTION FOR A PERSON STANDING BESIDE OR BEHIND (I.E. NOT SEATED ON, BUT WITHIN 0.61M OF) THE ROLLING OFFICE CHAIR?**

**ANSWER:** ARPA-E will consider any concept paper that advances the program objectives described in Section I.C (Program Objectives) of the FOA and meets the technical performance targets for Category 2 submissions (near range (<1m) wireless energy transfer devices) in Section I.E (Technical Performance Targets) of the FOA. Please note that on May 30, 2014, ARPA-E issued a modification to the DELTA FOA and clarified that Technical Performance Metric No. 2.3 (Range of Motion) is waived for Category 2 submissions where motion is not expected. See footnote number 28 in Section I.E of the FOA.

**Q14.A I AM WITH THE \*\*\*\*. WE RESPONDED TO THE SUBJECT RFI AND TEAMING LIST. WE HAVE BEEN APPROACHED BY 4 ORGANIZATIONS TO SEE IF WE ARE INTERESTED IN PARTNERING WITH THEM ON THE FOA. \*\*\*\* IS INTERESTED IN COLLABORATING AS A TEAM MEMBER ONLY AND NOT AS THE PRIME OR LEAD PROPOSER TO THE FOA. CAN WE BE INCLUDED AS A TEAM MEMBER ON A PROPOSAL BY MORE THAN 1 ORGANIZATION?**

**ANSWER:** Yes, provided that each application is scientifically distinct.

**Q14.B IF 2 ORGANIZATIONS WERE INTERESTED IN INCLUDING US IN THEIR PROPOSAL, IS THERE A CONFLICT OF INTEREST ISSUE? OBVIOUSLY WE WOULD NOT DIVULGE IDEAS OR CONCEPTS FROM ONE TEAM TO ANOTHER DURING DISCUSSIONS.**

**ANSWER:** A subapplicant's participation in multiple applications (and any subsequent awards) is not prohibited. It is the responsibility of the subapplicant to address any potential concerns - such as

conflicts of interest, intellectual property and confidential information – with the relevant Project Team(s).

**Q15. IN THE DELTA FOA, SECTION 1.F “APPLICATIONS SPECIFICALLY NOT OF INTEREST,” LISTS “TECHNOLOGIES THAT FOCUS ON ZONE CONTROL IMPROVEMENT BY USING BETTER INSULATION BETWEEN DIFFERENT ZONES (E.G., INDIVIDUAL CONTROL FOR EACH ROOM)” AS NOT OF INTEREST. IS OTHER ZONE CONTROL TECHNOLOGY (WHICH DOES NOT RELATE TO INSULATION) POTENTIALLY OF INTEREST? SPECIFICALLY, COULD A TEAM PROPOSE \*\*\*\*?**

**ANSWER:** ARPA-E will consider any concept paper that advances the program objectives of the FOA described in Section I.C (Program Objectives) of the FOA and meets the technical performance targets for any category in Section I.E (Technical Performance Targets) of the FOA.

**Q16. SHOULD THE DELTA CONCEPT PAPER HAVE A COVER PAGE? THE REQUIREMENTS DO NOT PROVIDE FOR ONE WITHIN THE PAGE LIMIT, BUT THE CONFIDENTIALITY STATEMENT, IF REQUIRED, IS SAID TO BE PUT ON THE COVER SHEET.**

**ANSWER:** Although not required, Applicants are permitted to submit a one page cover sheet for the purpose of including the “Notice of Restriction on Disclosure and Use of Data” statement provided in Section VIII (Marking of Confidential Information) of the FOA with their Concept Paper. Applicants may not include any additional information on the cover page that should be included in the technology description or addendum of the Concept Paper. Please see Section IV.C (Content and Form of Concept Papers) of the FOA for guidance on what information should be included in the technology description and addendum of a Concept Paper submission.

#### IV. Questions for week ending: AUGUST 8, 2014

**Q17. WHAT PROJECT START DATE SHOULD I USE TO PREPARE A PROPOSED BUDGET?**

**ANSWER:** On August 13, 2014, ARPA-E modified the FOA to clarify that applicants should assume a project start date of March 1, 2015 in their proposed budgets. Please see Sections IV.D.2 (“Content and Form of Full Applications – Second Component: SF-424”) and IV.D.3 (“Content and Form of Full Applications – Third Component: Budget Justification Workbook/SF-424A”) to review the modification.

**Q18. SHOULD THE LAST ITEM UNDER “BUDGET SUMMARY” SECTION ON PAGE 47 OF THE FOA BE INCLUDED UNDER THE “TECHNOLOGY TO MARKET STRATEGY” SECTION OF THE TECHNICAL VOLUME INSTEAD?**

**ANSWER:** Yes. On August, 13, 2014, ARPA-E modified the FOA and moved the last bullet of the “Budget Summary” Section to the “Technology to Market Strategy” Section of the Technical

Volume. Please see Section IV.D.1 (“Content and Form of Full Applications – First Component: Technical Volume”) to review the modification.

**V. Questions for week ending: AUGUST 15, 2014**

**Q19.A CAN REFERENCES CITED IN THE TECHNICAL VOLUME BE INCLUDED AS FOOTNOTES?**

**ANSWER:** Yes.

**Q19.B IS A REFERENCE LIST CONSIDERED PART OF THE TECHNICAL VOLUME’S PAGE COUNT?**

**ANSWER:** Yes, the 20-page allocation for R&D Strategy section of the Technical Volume includes any bibliography or list of cited literature.

**Q20. CAN WE RECEIVE ADDITIONAL AND MORE DETAILED FEEDBACK ON OUR CONCEPT PAPER SUBMISSION?**

**ANSWER:** Due to limited resources, ARPA-E is unable to provide additional feedback.

**VI. Questions for week ending: AUGUST 22, 2014**

**Q21. THE SOLICITATION FOR DE-FOA-0001127: DELIVERING EFFICIENT LOCAL THERMAL AMENITIES (DELTA) INDICATES A MANDATORY WEBINAR AFTER CONCEPT PAPERS HAVE BEEN EVALUATED. HAS THAT WEBINAR BEEN SCHEDULED OR HELD? I DO NOT SEE ANY NOTICE.**

**ANSWER:** Actually, the mandatory webinar is held subsequent to selections for award negotiations and notifications will be sent to applicants that are selected for award negotiations. Please see Section IV.A (Application Process Overview) of the FOA for details on the application process.

**Q22. I AM WRITING YOU TO FIND OUT MORE INFORMATION ABOUT FUNDING OPPORTUNITY ANNOUNCEMENT DE-FOA-0001127 (DELTA). I HAVE BEEN CONTACT BY TWO SEPARATE UNIVERSITIES REGARDING THIS OPPORTUNITY TO BE AN INDUSTRY PARTNER. BOTH HAVE EXPLAINED THAT ARPA-E IS LOOKING FOR TECHNOLOGIES TO HELP EXPAND THE COMFORT RANGE OF CLOTHING SO AS TO REDUCE THE ENERGY USE WITHIN BUILDINGS DURING THE SUMMER AND WINTER MONTHS. I AM INTERESTED TO KNOW HOW ARPA-E PLANS TO IMPLEMENT A TECHNOLOGY SO THAT ALL OCCUPANTS OF A BUILDING ARE WEARING THIS TYPE OF CLOTHING?**

**ANSWER:** ARPA-E supports the creation of transformational energy technologies and systems through funding and managing research and development efforts. ARPA-E will not support technology development for extended periods of time; rather, ARPA-E supports the initial creation of technology. Following initial testing of the first prototype of a device, a system, or a process, other Federal agencies and the private sector will support the incremental development necessary to bring the technology to market (i.e., commercialize and implement ARPA-E-funded technologies). For additional information, please refer to the DELTA FOA available on ARPA-E eXCHANGE (<https://arpa-e-foa.energy.gov/>) and workshop material for this FOA available on ARPA-E's website at: <http://arpa-e.energy.gov/?q=arpa-e-events/personal-thermal-management-reduce-building-energy-consumption-workshop>.

**VII. Questions for week ending: AUGUST 29, 2014**

**Q23. ONE OF OUR RESEARCHERS WILL BE CONTRIBUTING A PIECE OF TECHNOLOGY IN A PROPOSAL BEING SUBMITTED IN RESPONSE TO THE DELTA FOA. IS THERE A WAY TO PROTECT THIS BACKGROUND IP IN OUR PROPOSAL?**

**ANSWER:** Please refer to Section VIII.E (Marking of Confidential Information) of the FOA for guidance on marking requirements. Applicants should not include confidential, proprietary, or privileged information in their submissions unless such information is necessary to convey an understanding of the proposed project. Any submissions containing confidential, proprietary, or privileged information must be marked as described in Section VIII.E of the FOA. Of course, ARPA-E does not obtain rights to "background IP" via proposal submissions, which are used only for evaluation purposes.

**Q24. IS A CONSULTANT CONSIDERED A PROJECT TEAM MEMBER SUBJECT TO COST SHARE IF THE CONSULTANT IS ONLY WORKING 125 HOURS PER YEAR FOR 3 YEARS IN SUPPORT OF THE EFFORT?**

**ANSWER:** Cost Share is calculated as a percentage of the Total Project Cost, which is the sum of the Prime Recipient share (including all efforts carried out by subrecipients or "consultants") and the Federal Government share of total allowable costs. However, each Project Team is free to determine how much each team member will contribute towards the cost share requirement. The

amount contributed by individual Project Team members may vary, so long as the cost share requirement for the project as a whole is met.

**Q25. OUR COMPANY HAS BEEN APPROACHED BY SEVERAL DIFFERENT GROUPS WHO ARE PROPOSING TO YOUR ARPA-E CALL. WE AREN'T PLANNING ON PARTNERING WITH ALL THE TEAMS, BUT IF WE WANTED TO ASSIST A FEW WITH THEIR CONCEPT, WOULD THAT DILUTE THEIR CHANCES OF SELECTION? I JUST WANT TO MAKE SURE THE SELECTION COMMITTEE WOULDN'T SEE ANY ISSUE OR COI WITH OUR NAME APPEARING ON MORE THAN ONE PROPOSAL.**

**ANSWER:** A company may be a member of multiple proposed Project Teams under the same FOA, and this, by itself, would not impact a selection. ARPA-E may not provide pre-submission assessments or feedback regarding an Applicant's proposed teaming structures or its likelihood of being selected for award negotiations.

**Q26. THE R&D TASKS SECTION OF THE TECHNICAL VOLUME SUGGESTS ONLY LISTING THE TASKS FOR THE PROJECT. SHOULD WE INCLUDE A DESCRIPTION OF THE TASKS IN THIS SECTION, OR SHOULD IT MAINLY SERVE AS AN OVERVIEW FOR THE R&D STRATEGY GIVEN THAT THE TASKS AND SUB-TASKS WILL BE DESCRIBED IN THE TECHNICAL MILESTONES AND DELIVERABLES COMPONENT OF THE FULL APPLICATION?**

**ANSWER:** No, Applicants are not required to include descriptions of the tasks listed in the R&D Tasks section of the Technical Volume. Per Section IV.D.4 (Fourth Component: Technical Milestones and Deliverables) of the FOA, Applicants should include "...a set of detailed descriptions of the technical Tasks, Sub-Tasks, Milestones, and Deliverables..." in the Technical Milestones and Deliverables component of the Full Application. Please see Section IV.D.4 of the FOA for additional information on what should be included in the Technical Milestones and Deliverables component of a Full Application submission.

## VIII. Questions for week ending: SEPTEMBER 5, 2014

**Q27. OUR PROJECT TEAM CONSISTS OF FFRDCS AND EDUCATIONAL INSTITUTIONS. IF WE ADD A COMMERCIAL PARTNER TO THE PROJECT TEAM WHICH IS UNFUNDED AND WILL ONLY BE PROVIDING IN-KIND EFFORT, IS THE PROJECT TEAM STILL ELIGIBLE FOR THE 5% COST SHARE OPTION?**

**ANSWER:** To qualify for reduced cost share of 5%, the project team must be composed exclusively of domestic educational institutions, domestic nonprofits, and/or FFRDCs. As a participant in the ARPA-E award, the new commercial partner's work or contribution, even if "in-kind" by the partner to the project or not reimbursed by ARPA-E, would count toward the percentage of work calculation to determine the minimum cost share requirement for the project as

a whole. Please see Section III.B.3 (Reduced Cost Share Requirement) of the FOA for more details on the cost sharing requirements for this FOA.

**I. Questions for week ending: SEPTEMBER 11, 2014**

**Q28. WE ARE IN THE PROCESS OF FILING SF 424 FORM AND DO NOT KNOW HOW TO ANSWER THE QUESTION #19 ON THE FORM. WE ARE A SMALL BUSINESS LOCATED IN MD. IS OUR APPLICATION SUBJECT TO REVIEW BY MD UNDER EXECUTIVE ORDER 12372? IN THE PAST WE WERE NEVER ASKED ABOUT THIS AND HAVE NOT CONTACTED THE OFFICE.**

**ANSWER:** Please see Section IV.F (Intergovernmental Review) of the FOA.

**Q29.A CAN CONCEPT PAPER HEADINGS BE IN A COLOR OTHER THAN BLACK OR WILL THAT BE NON-RESPONSIVE?**

**ANSWER:** Please see Section IV.D (Content and Form of Full Applications) of the FOA.

**Q29.B IS THERE A PREFERRED METHOD OF HANDLING REFERENCES (SIMPLY FOOTNOTES AS IN THE FOA, OR FULL REFERENCES AT END?)**

**ANSWER:** No. However, please be aware that the 20-page allocation for R&D Strategy in the Technical Volume includes any bibliography, list of cited literature, or footnotes. Please see Section IV.D (Content and Form of Full Applications) of the FOA for full details on the content and form requirements for the Technical Volume of the Full Application.

**Q30. QUESTION 3 OF THE BUSINESS ASSURANCES & DISCLOSURES FORM ASKS ABOUT CURRENT AND PENDING FUNDING IN THE “SAME TECHNOLOGY AREA” AS THE PROPOSED PROJECT OR “RELATED WORK”. THE QUESTION SEEMS OPEN TO INTERPRETATION SINCE A PI MAY HAVE PREVIOUSLY WORKED WITH A CERTAIN TECHNOLOGY, BUT THE PROPOSED PROJECT IS A COMPLETELY DIFFERENT DIRECTION AND PURPOSE FOR THAT TECHNOLOGY AND IS IN AN AREA WHERE THE PI HAS NEVER WORKED BEFORE. IT WOULD HELP TO UNDERSTAND THE INTENT OF THE QUESTION.**

**ANSWER:** The intent of the question is to determine whether the Applicant has received, is receiving, or may receive overlapping or duplicative funding in the future for work that is the same or similar to the project proposed to ARPA-E. Question 3(a) of the Business Assurances & Disclosures Form defines related work as: “work that relates directly or indirectly to the proposed

R&D project.” Thus, prior funding received for work with a certain technology in a different direction may relate indirectly with the R&D project proposed to ARPA-E and should be disclosed in response to Question 3 of the Business Assurances and Disclosures Form. The determination of whether the proposed project is actually overlapping or duplicative with related work will be a fact-based determination by ARPA-E made prior to award.

**Q31. WE ARE PROPOSED SUBRECIPIENTS ON TWO PROPOSALS WHICH WE HAVE ONLY RECENTLY LEARNED ARE WORKING WITH THE SAME CORE TECHNOLOGY. WE ARE WORRIED ABOUT THE Q&A 14.A AND B IN WHICH IT IS SAID THAT MULTIPLE PROPOSALS MUST BE SCIENTIFICALLY DISTINCT. IF WE BUILT ARTIFICIAL SCIENTIFIC DISTINCTIONS INTO THE PROPOSED SUBORDINATE TASKS THAT MIGHT UNFAIRLY TILT THE PROJECT IN WAYS THAT ARE NOT HELPFUL TO CREATING OR PICKING THE BEST PROJECT. AT THIS POINT IT WOULD BE DISRUPTIVE TO PULL OUT OF EITHER TEAM. PLEASE ELABORATE ABOUT THE NEED FOR DISTINCTIVENES IN SUBRECIPIENTS' TASKS.**

**ANSWER:** As used in Section III.C.3 (Limitation on Number of Applications) of the FOA, the “scientifically distinct” limitation applies to a Prime Recipient/Lead Entity that intends to submit multiple concept papers/applications. The determination of whether multiple Concept Papers/Applications from the same Prime Recipient/Lead Entity are “scientifically distinct” from one another is made by ARPA-E. Potential subrecipients on multiple projects are not expected to determine whether one Prime Recipient’s application is scientifically distinct from another Prime Recipient’s application, nor make “artificial” scientific distinctions in proposed sub-tasks in order to “tilt” either project. Please also see the answer to Question 25 above.